

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Vaccinium myrtillus*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
35	TANNIN	Leaf	60000.0	200000.0	1.0922402514317946	--
35	TANNIN	Fruit	50000.0	120000.0	0.2460348882910567	--
1	QUINIC-ACID	Leaf	20000.0	50000.0	0.7547340705685329	--
0	SUGARS	Fruit	12000.0	150000.0	-0.26503678076002984	--
0	PROTEIN	Fruit	10320.0	129000.0	0.26142555134441664	--
24	PECTIN	Fruit	4000.0	50000.0	-0.03661673030520101	--
0	ASH	Fruit	3840.0	48000.0	-0.2243510805009802	--
0	ANTHOCYANOSIDES	Leaf	3000.0	20000.0		--
0	FAT	Fruit	1760.0	22000.0	-0.4732178594145328	--
14	POTASSIUM	Fruit	1338.0	16730.0	-0.10497458816336862	--
4	PHOSPHORUS	Fruit	856.0	10700.0	2.2731902006060767	--
0	DELPHINIDIN-3-O-GLUCOSIDE	Leaf	581.0	1162.0		--
28	CALCIUM	Fruit	510.0	6380.0	0.582373090515347	--
0	DELPHINIDIN-3-O-GALACTOSIDE	Leaf	504.0	1004.0		--
0	DELPHINIDIN-3-O-ARABINOSIDE	Leaf	432.0	864.0		--
0	PETUNIDIN-3-O-GLUCOSIDE	Leaf	367.0	734.0		--
19	CYANIDIN-3-O-GLUCOSIDE	Leaf	342.0	684.0		--
0	MALVIDIN-3-O-GLUCOSIDE	Leaf	335.0	370.0		--
65	MAGNESIUM	Fruit	312.0	3900.0	0.8197346940018424	--
4	CYANIDIN-3-O-GALACTOSIDE	Leaf	275.0	550.0		--
0	CYANIDIN-3-O-ARABINOSIDE	Leaf	219.0	438.0		--
0	CYANADIN-3-O-ARABINOSIDE	Leaf	219.0	438.0		--
0	PETUNIDIN-3-O-GALACTOSIDE	Leaf	189.0	378.0		--
112	ASCORBIC-ACID	Fruit	132.0	1650.0	-0.18189696747022557	--
0	PEONIDIN-3-O-GLUCOSIDE	Leaf	131.0	262.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
14	SULFUR	Fruit	130.0	1075.0	-0.2363356329259065	ACTA AGRIC SCAND SUPPL 22: 1980
0	MALVIDIN-3-O-GALACTOSIDE	Leaf	127.0	254.0		--
0	PETUNIDIN-3-O-ARABINOSIDE	Leaf	108.0	216.0		--
0	MALVIDIN-3-O-ARABINOSIDE	Leaf	81.0	162.0		--
0	PEONIDIN-3-O-GALACTOSIDE	Leaf	34.0	68.0		--
5	ALUMINUM	Fruit	25.0	318.0	-0.13100832398788578	--
0	PEONIDIN-3-O-ARABINOSIDE	Leaf	22.0	44.0		--
6	IRON	Fruit	12.0	151.0	0.07148811973975773	--
14	MANGANESE	Fruit	7.0	91.0	0.1965046391200611	--
31	THIAMIN	Fruit	7.0	8.0	0.3414272755878574	--
0	RUBIDIUM	Fruit	5.0	60.0	3.0850078278809683	ACTA AGRIC SCAND SUPPL 22: 1980
39	NIACIN	Fruit	5.0	65.0	0.057508760745179625	--
4	TIN	Fruit	4.0	50.0	-0.1811041243657825	--
1	SODIUM	Fruit	4.0	50.0	-0.17920934261084967	--
53	BETA-CAROTENE	Fruit	4.0	47.0	-0.059950475940205736	--
15	LUTEIN	Fruit	2.6	26.0	1.4117785541906174	--
77	ZINC	Fruit	1.0	8.7	-0.6499015135402889	--
12	COPPER	Fruit	0.7	6.3	-0.5073665269805587	ACTA AGRIC SCAND SUPPL 22: 1980
0	THIAMINE	Fruit	0.6	7.8	2.0731663991191227	--
4	BORON	Fruit	0.6	10.0	-0.6025676490591996	ACTA AGRIC SCAND SUPPL 22: 1980
60	SELENIUM	Fruit	0.2	2.8	0.30814666605054625	--
15	RIBOFLAVIN	Fruit	0.2	2.6	-0.5159915584690182	--
0	LEAD	Fruit	0.04	0.7	-0.44890981456900714	--
3	CADMIUM	Fruit	0.001	0.02	-0.5848464463574334	ACTA AGRIC SCAND SUPPL 22: 1980
15	ARBUTIN	Leaf	0.0	3000.0	-0.7316170494453632	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	HEX-TRANS-2-EN-1-OL	Fruit Juice		0.01	-1.0	--
0	DELPHINIDIN-3-O-GALACTOSIDE	Fruit				--
0	NEOCLOGROGENIC-ACID	Fruit		10.0		--
87	RUTIN	Leaf				--
30	HYPEROSIDE	Leaf				--
40	EPICATECHIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
9	BETA-AMYRIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	PETUNIDIN-3-O-ARABINOSIDE	Fruit				--
0	4-HYDROXY-BENZOIC-ACID	Leaf				--
4	ISOFERULIC-ACID	Leaf				--
5	PHYLLOQUINONE	Fruit		0.04	-0.22673532125634782	--
1	MYRTILLIN	Fruit				--
9	BENZYL-ALCOHOL	Fruit Juice		0.08		--
0	3-HYDROXY-3-METHYLBUTANOIC-ACID-METHYL-ESTER	Fruit Juice				--
1	PROCYANIDIN-B-2	Fruit				--
0	HYDROXY-ISOCARVOMENTHOL	Fruit Juice				--
6	SYRINGIC-ACID	Fruit				--
9	OXALIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
43	PROTocatechuic-acid	Fruit Juice				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
23	CITRIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	QUERCETIN-3-GLUCOSIDOGLUCOSIDE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	MONOTROPEOSIDE	Leaf				--
0	PAEONIDIN-3-O-GALACTOSIDE	Fruit				--
0	CYANIDIN-3-ARABINOSIDE	Fruit				--
28	VANILLIN	Fruit Juice		0.015		--
15	MALIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	HEX-TRANS-2-EN-1-OIC-ACID	Fruit Juice		0.03		--
0	QUERCETIN-3-RHAMNOSIDE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	NEOCLOGENIC-ACID	Leaf		140.0		--
22	ISOQUERCITRIN	Fruit Juice				--
30	HYPEROSIDE	Fruit				--
43	CATECHIN	Leaf				--
20	BENZOIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	PETUNIDIN-GLYCOSIDE	Plant				--
0	4-HYDROXY-BENZOIC-ACID	Fruit Juice				--
61	FERULIC-ACID	Leaf				--
25	P-COUMARIC-ACID	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	MONOTROPEIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
9	ASPERULOSIDE	Fruit				--
0	NEOMYRTILLIN	Shoot				--
24	CHROMIUM	Fruit		0.7	-0.4093125277624259	--
0	QUERCETIN-3-ARABINOSIDE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	MELILOTIC-ACID	Leaf				--
25	P-COUMARIC-ACID	Fruit Juice				--
0	CYANIDIN-GLYCOSIDE	Plant				--
24	VANILLIC-ACID	Leaf				--
0	HEX-TRANS-2-EN-1-AL	Fruit Juice		0.06		--
4	ISOCHLOROGENIC-ACID	Leaf		2000.0		--
44	QUERCITRIN	Fruit				--
32	HYDROQUINONE	Leaf				--
31	CARYOPHYLLENE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
7	ASTRAGALIN	Leaf				--
0	PEONIDIN-3-O-GALACTOSIDE	Fruit				--
0	3,4-DIHYDROXYCINNAMIC-ACID	Fruit				--
16	ISOEUGENOL	Fruit Juice				--
25	OPCS	Fruit				--
2	MONOTROPEIN	Fruit				--
30	ANTHOCYANINS	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	SUCCINIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	M-HYDROXYBENZOIC-ACID	Fruit Juice				--
77	CHLOROGENIC-ACID	Leaf		2800.0	1.0924264319161126	--
1	QUERCETIN-3-O-RHAMNOSIDE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	MALVIDIN-3-O-GALACTOSIDE	Fruit				--
0	MYRTINE	Shoot		17.5		--
7	CYANIDIN	Leaf				--
0	APS-SULFOTRANSFERASE	Leaf				--
1	M-HYDROXYBENZOIC-ACID	Fruit				--
0	HEX-CIS-3-EN-1-OL	Fruit Juice		0.06		--
77	CHLOROGENIC-ACID	Fruit Juice				--
44	QUERCITRIN	Fruit Juice				--
62	GALLIC-ACID	Leaf				--
7	ASTRAGALIN	Fruit				--
3	PETUNIDIN	Fruit				--
0	PEONIDIN-3-O-ARABINOSIDE	Fruit				--
21	(-)-EPIGALLOCATECHIN	Leaf				--
76	EUGENOL	Fruit Juice		0.01		--
0	LEUCOANTHOCYANINS	Leaf				--
2	MOLYBDENUM	Fruit		0.1	-0.46519775248328327	ACTA AGRIC SCAND SUPPL 22: 1980
0	ACETOIN	Fruit Juice				--
0	DELPHINIDIN-3-MONOGLUCOSIDE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CERYL-ALCOHOL	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	QUERCETIN-3-O-GALACTOSIDE	Leaf				--
0	MALVIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
4	ISOCHLOROGENIC-ACID	Fruit		250.0	1.0	--
8	P-CRESOL	Fruit Juice		0.001		--
23	ALPHA-TERPINEOL	Fruit Juice		0.015	-0.7625968906166204	--
0	M-COUMARIC-ACID	Fruit				--
0	EPIMYRTINE	Shoot		4.3		--
1	PROCYANIDIN-B-2	Leaf				--
19	CYANIDIN-3-O-GLUCOSIDE	Fruit				--
7	GLUCOSE	Fruit				--
64	OLEANOLIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	2-HYDROXY-3-METHYLBUTANOIC-ACID-METHYL-ESTER	Fruit Juice		0.02		--
77	CHLOROGENIC-ACID	Fruit		1900.0	0.5534391651296359	--
0	QUERCETIN-3-GLUCOSYL-GLUCOSIDE	Leaf				--
0	FLUORINE	Fruit		0.1	-1.2385741096298049	ACTA AGRIC SCAND SUPPL 22: 1980
0	WATER	Fruit		920000.0	0.6497106840979096	--
9	ASPERULOSIDE	Leaf				--
0	2-PHENYLETHANOL	Fruit Juice		0.02		--
1	IRIDOIDS	Leaf				--
1	MERCURY	Fruit		0.001	-0.7865389313824043	ACTA AGRIC SCAND SUPPL 22: 1980
0	ACETIC-ACID-HEX-CIS-3-ENYL-ESTER	Fruit Juice				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
9	DELPHINIDIN	Fruit				--
4	SILICON	Fruit				--
0	PENTAN-1-OL	Fruit Juice		0.05	0.9999999999999999	--
38	(-)-EPICATECHIN	Leaf				--
2	QUERCETIN-3'-GLUCOSIDE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	MALVIDIN-3-O-ARABINOSIDE	Fruit				--
8	FRUCTOSE	Fruit				--
25	P-COUMARIC-ACID	Leaf				--
6	SYRINGIC-ACID	Leaf				--
0	M-COUMARIC-ACID	Fruit Juice				--
1	PROCYANIDIN-B-1	Fruit				--
0	CYANIDIN-3-O-ARABINOSIDE	Fruit				--
35	GERANIOL	Fruit Juice				--
4	O-COUMARIC-ACID	Fruit				--
0	3-HYDROXY-3-METHYLBUTANOIC-ACID-ETHYL-ESTER	Fruit Juice		0.01		--
30	(+)-CATECHIN	Fruit				--
0	HOMOPROTOCATECHUIC-ACID	Leaf				--
61	FERULIC-ACID	Fruit				--
24	VANILLIC-ACID	Fruit				--
0	GAMMA-DODECALACTONE	Fruit Juice				--
4	TRANS-2-HEXENAL	Fruit				--
14	MANGANESE	Leaf		2500.0	3.6962602714553836	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	ACETIC-ACID-2-PHENYL-ETHYL-ESTER	Fruit Juice				--



Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PENTAN-1-OIC-ACID	Fruit Juice				--
30	(+)-CATECHIN	Leaf				--
176	QUERCETIN	Leaf				--
0	MALVIDIN-3,5-DIGLUCOSIDE	Fruit				--
61	FERULIC-ACID	Fruit Juice				--
15	CITRONELLOL	Fruit Juice		0.001		--
6	SYRINGIC-ACID	Fruit Juice				--
23	CITRIC-ACID	Fruit				--
102	CAFFEIC-ACID	Leaf		40.0	-0.7103779880667277	--
0	PROCYANIDIN-A-1	Leaf				--
0	CYANIDIN-3-GLUCOSIDE	Fruit				--
8	GENTISIC-ACID	Leaf				--
0	FIBER(DIETARY)	Fruit		370000.0	-0.1454086686639877	--
2	NONACOSANE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	2-HYDROXY-3-METHYLBUTANOIC-ACID-ETHYL-ESTER	Fruit Juice				--
1	CAPROIC-ACID	Fruit Juice		0.04	-0.9999999999999997	--
43	PROTocatechuic-ACID	Leaf				--
5	ZEAXANTHIN	Tissue Culture				--
0	FAT	Seed		310000.0	0.2349895147568526	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
89	URSOLIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	DELPHINIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ETHYL-3-METHYLBUTYRATE	Fruit				--
16	ACETIC-ACID	Fruit Juice		0.32	-0.9999999999999999	--
0	PAEONIDIN	Fruit				--
0	TRANS-CINNAMYL-ALCOHOL	Fruit Juice				--
43	PROTocatechuic-ACID	Fruit				--
0	MALVIDIN-GLYCOSIDE	Plant				--
0	DELPHINIDIN-GLYCOSIDE	Plant				--
7	TRANS-CINNAMALDEHYDE	Fruit Juice				--
14	SUCROSE	Fruit				--
22	ISOQUERCITRIN	Leaf				--
15	ARBUTIN	Plant		15000.0	-1.3286388424226248	--
0	4-VINYLPHENOL	Fruit Juice		0.01		--
0	CYANIDIN-3-GALACTOSIDE	Fruit				--
62	GALLIC-ACID	Fruit Juice				--
0	FIBER(CRUDE)	Fruit		89000.0	-0.6728110234170557	--
0	BUTANOIC-ACID	Fruit Juice		0.13	0.9999999999999999	--
102	CAFFEIC-ACID	Fruit Juice				--
0	3-PHENYL-PROPAN-1-OL	Fruit Juice		0.003		--
0	QUERCETIN-3-GLUCURONIDE	Leaf				--
0	EPIMYRTINE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
89	URSOLIC-ACID	Fruit		2500.0	-0.2673024778	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	ARSENIC	Fruit		0.01	-0.5241085631054083	ACTA AGRIC SCAND SUPPL 22: 1980
3	PEONIDIN	Leaf				--
0	DELPHINIDIN-3-O-ARABINOSIDE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ETHYL-2-METHYL-BUTYRATE	Fruit				--
2	PHENYL-ACETALDEHYDE	Fruit Juice		0.003		--
7	CYANIDIN	Fruit				--
0	GAMMA-OCTALACTONE	Fruit Juice		0.045		--
2	PROCYANIDIN-B-3	Fruit				--
30	HYPEROSIDE	Fruit Juice				--
24	BENZALDEHYDE	Fruit Juice				--
60	CINNAMALDEHYDE	Fruit				--
9	SINAPIC-ACID	Leaf				--
6	IRON	Leaf		250.0	-0.28689375971144965	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	INOSITOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	BROMINE	Fruit		1.0	-0.42563543443835	ACTA AGRIC SCAND SUPPL 22: 1980
0	2-METHOXY-5-VINYLPHENOL	Fruit Juice				--
0	CHRYSANTHEMIN	Fruit				--
0	PENTYL-FURAN	Fruit Juice				--
38	(-)-EPICATECHIN	Fruit				--
0	NEOMYRTILLIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	BUTAN-2-OL	Fruit Juice		0.01	-1.0	--
102	CAFFEIC-ACID	Fruit				--
0	PROCYANIDIN-C-1	Leaf				--
0	P-DIMETHYL-ALPHA-STYRENE	Fruit Juice				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	DIHYDROXYCINNAMIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	GAMMA-DECALACTONE	Fruit Juice		0.022		--
1	CATECHINS	Leaf		200000.0	1.0	--
0	RESINIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	NONAN-1-AL	Fruit Juice				--
1	PROCYANIDIN-B-1	Leaf				--
32	HYDROQUINONE	Fruit				--
0	MERATRINE	Leaf				Gruenwald, J. et al. 1998. PDR for Herbal Medicine. 1st ed. Medical Economics Co., Montvale, NJ. 1244 pp. (abbreviated as PHR or Physicians Herbal Reference in my mind)
60	CINNAMALDEHYDE	Leaf				--
0	SALICYLIC-ACID-METHYL-ESTER	Fruit Juice		0.001		--
0	GALLOCATECHIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
26	PHENOL	Fruit Juice		0.03		--
47	BETA-SITOSTEROL	Tissue Culture				--
0	FORMIC-ACID-2-PHENYL-ETHYL-ESTER	Fruit Juice		0.002		--
53	LINALOOL	Fruit Juice		0.004	-0.9999999999999998	--
0	MYRTINE	Plant		10.0		--
0	2-METHYL-BUTAN-1-OL	Fruit Juice				--
0	GAMMA-BUTYROLACTONE	Fruit Juice				--
4	PROCYANIDIN-B-4	Fruit				--
4	O-COUMARIC-ACID	Fruit Juice				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	DELPHINIDIN-5-MONOGLYCOSIDE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	ARBUTIN	Fruit		0.0		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	PARACOUMARIC-ACID	Fruit				--
2	MONOTROPEIN	Stem				--
10	NEROL	Fruit Juice		0.002		--
1	PETUNIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
1	DELTA-DECALACTONE	Fruit Juice				--
18	CINNAMIC-ACID	Leaf				--
0	HEXAN-1-OL	Fruit Juice		0.02		--
7	AVICULARIN	Leaf				Gruenwald, J. et al. 1998. PDR for Herbal Medicine. 1st ed. Medical Economics Co., Montvale, NJ. 1244 pp. (abbreviated as PHR or Physicians Herbal Reference in my mind)
0	1,8-CINEOL	Fruit Juice				--
34	SALICYLIC-ACID	Leaf				--
0	INVERT-SUGARS	Fruit		300000.0	0.8532031018639995	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	EPIGALLOCATECHIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	PETUNIDIN-3-O-GALACTOSIDE	Fruit				--
47	BETA-SITOSTEROL	Fruit				--
0	FOENICULIN	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
60	LIMONENE	Fruit Juice				--
0	MYRTILLOL	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	BUTAN-1-OL	Fruit Juice		0.001	-0.9999999999999999	--
0	2-METHYL-BUTANOIC-ACID	Fruit Juice		0.06	1.00000000000000013	--
4	PROCYANIDIN-B-4	Leaf				--
15	LUTEIN	Tissue Culture				--
0	DELPHINIDIN-3-RHAMNOGLYCOSIDE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
13	P-HYDROXY-BENZOIC-ACID	Fruit				--
6	MALVIDIN	Fruit				--
24	VANILLIC-ACID	Fruit Juice				--
2	COBALT	Fruit		0.1	-0.5230092918235771	--
44	QUERCITRIN	Leaf				--
0	MONOTROPEOSIDE	Fruit				--
1	PEONIDIN-3-O-BETA-D-GLUCOSIDE	Fruit				--
4	CYANIDIN-3-O-GALACTOSIDE	Fruit				--
0	ANTHOCYANOSIDES	Fruit		30000.0	1.0	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.